CHAPTER XI—PUBLIC WORKS, IRRIGATION AND ELECTRICITY.

(i) Public Works.

General

1508. The Public Works Department is concerned with Schemes under Irrigation and Power, (ii) Minor Irrigation Schemes and Agriculture, (iii) Roads under Transport. Besides the above, the Public Works Department executes works under (1) Public Health, *viz.*, Water Supply and Sanitary Engineering, (ii) Buildings of other Departments, (iii) Tourism, etc. The minor ports on the West Coast rest with the Minor Port Department.

1509. A new scheme called the " Special Minor Irrigation Programme " was introduced during the year as a planned scheme under " Minor Irrigation-Agriculture".

1510. In order to have a uniformity of procedure in the State, Government ordered that original works costing upto Rs. 20,000 may be treated as Minor Works. This was given effect to from 1st April 1957.

1511. A committee was constituted according to Government Order, dated 8th November 1957 for the reorganisation of the Public Works Department.

Important works sanctioned during the year.

1512. The important works sanctioned during the year under the following heads were :—

	Head	*No. of works*	*Costing between* lakhs
1	Irrigation	13	1 to 30
2	Water Supply and Drainage ...	3	1 to 10
3	Buildings	10	1 to 6
4	Roads	4	1 to 9
5	Bridges	11	1 to 19

1513. There were 68 important Irrigation Works costing between 1 to 41 lakhs which were under different stages of progress during the year.

Progress of the Special Minor Irrigation Scheme (Food Production) during the year.

1514. Government in their order, dated 5th December 1957, sanctioned the Special Irrigation Scheme of Rs. 30·00

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lakhs, for the first four months, as a part of the comprehensive programme for Rs. 200·00 lakhs (to end of March 1959). This Rs. 30·00 lakhs was made up of Rs. 15·00 lakhs as subsidy and Rs. 7·50 lakhs as grant from Centre and Rs. 7·50 lakhs being State Government's share.

1515. The object of the scheme was to take up restoration of tanks and construction of new tanks, pick-ups and channels, with a view to increasing the tempo of food production in the State.

1516. During the period of three months (1st stage) *i.e.*, from January 1958 to March 1958, as many as 654 works—481 tanks and 173 pick-ups—were taken up for execution in the several Divisions. In view of the short time available and paucity of hands, the expected number of works could not be completed during the first stage and as such they had to be carried over to the second stage of the scheme for successful completion.

1517. During the year, about 22,250 acres and 16 guntas of existing atchkat was proposed to be benefited by assured water supply, and 7,410 acres and 5 guntas of fresh atchkat was proposed to be brought under cultivation, resulting in a proposed increase in food production to the tune of 7,413 tons.

1518. The total expenditure booked to end of March 1958 against the grant of Rs. 24·25 lakhs was Rs. 15,63,819·06.

Construction of Buildings

1519. The important Building Works that were in different stages of progress during the year were :—

	Head	*No. of works*	*Costing between lakhs*
1.	General Administration ... (The outlay incurred on the construction of Vidhana Soudha Building upto end of 1957-58 was Rs. 152,36,873).	5	1 to 152
2.	Jails and Convict Settlements...	2	2 to 2½
3.	Police ...	10	1 to 10
4.	Education ... (The estimated cost of construction of Medical College Building at Hubli was Rs. 150,00,00. The Outlay upto end of 1957—58 was Rs. 8,76,734).	13	1 to 150

	Head	No of works	Costing between lakhs
5.	Medical ...	28	1 to 28
6.	Industries ...	4	1 to 3
7.	Agricultural College, Bangalore	1	3
8.	Miscellaneous Departments ...	6	1 to 10
9.	Construction of Harijan Hostels at Mysore, Nanjangud, Chamarajanagar, Tumkur and Kolar.	5	75 thousand to 4 lakhs
10.	Other buildings ...	5	1 to 3
	Under Communications.		
11.	Communications ...	30	1 to 14
12.	Cement Concreting of Roads ...	16	1 to 8
13.	Asphalting of Roads ...	29	1 to 7
14.	Construction of new Bridges...	28	1 to 24

Visvesvaraya Canal Area Roads.

1520. The total length of these roads is 923 miles and 3½ furlongs.

1521. The Special Division called Sugar Cane Cess Fund Division was continued during the year. A programme of works for Rs. 22,29,400 for 1957-58 for this Division was approved in Government order dated 24th March 1958. Against this programme, the expenditure incurred during the year was Rs. 25,34,093.

Maintenance of State Fund Roads.

1522. The total length of State Fund Roads maintained in the State was 10,557 miles and 5½ furlongs excluding Visvesvaraya Canal Area roads.

1523. The total cost of maintenance of hese roads including special repairs was Rs. 1,57,62,156 during the year.

National Highways.

1524. The three National Highways run in the Mysore State were :—

	M	F.
1. National Highway No. 4 ...	434	1
2. National Highway No. 7 ...	77	7
3. National Highway No. 9 ...	46	4¼
Total ..	558	4¼

1525. A grant of Rs. 12,50,000 was allotted during 1957-58 for maintaining these roads against which an outlay of Rs. 13,26,492 was incurred.

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1526. For original works relating to National Highways, a grant of Rs. 7,81,800 was sanctioned by the Government of India during 1957-58, against which an expenditure of Rs. 6,28,765 was incurred.

West Coast Road Programme.

1527. As there was no direct link between Bombay and Cape Comorin along the coast, the development of a West Coast road to the standards of a good all-weather road was considered to be an urgent necessity and the cost of the works was being fully met by the Government of India and the work was in progress during the year.

Achievement under the Second Five-Year Plan during the Year.

1528. Irrigation Sector-Major and Medium Projects.—Two new schemes the Arkavathi and the Mangala Projects, which were under the jurisdiction of the Chief Engineer (General) were transferred to the Chief Engineer, Major Irrigation (South), Bangalore. Eight projects were under the control of the Chief Engineer (General) and all were continuing schemes of First Five-Year Plan. Two of these projects are situated in the erstwhile Mysore State and cost above Rs 10·00 lakhs each. The remaining six projects were situated in the Bombay Karnatak region and cost less than Rs. 10·00 lakhs each.

1529. The total actual expenditure incurred during the year on Major and Medium Irrigation Schemes was Rs. 8·37 lakhs against the budget allotment of Rs. 10·87 lakhs and total expenditure incurred under Minor Irrigation—Agriculture was Rs. 43·10 lakhs against the budget allotment of Rs. 46·77 lakhs and expenditure incurred under Roads-Transport was Rs. 105·57 lakhs against the budget allotment of Rs. 134·41 lakhs.

1530. Out of six projects in the Bombay-Karnatak region, one project was almost completed, four were nearing completion. Irrigation has also developed under two projects, *viz.*, Arwatgi Tank and Bhandara at Kolloli.

1531. Under restoration of tanks good progress has been secured.

1532. Further works on the Bhandara at Lakhanpur has been stopped as the villagers expressed their unwillingness to take water for irrigation.

Water Supply Schemes.

1533. National Rural Water Supply and Sanitation Works.—Seventy-five schemes under the first batch of the estimate sanctioned were under execution during the year in the four districts, *viz.*, Tumkur, Kolar, Hassan and Shimoga. An outlay of Rs. 4·08 lakhs has been incurred during the year.

1534. Out of the 75 schemes, 6 schemes in Hassan District were completed and serviced during the previous year and 14 schemes in 3 districts were completed during the year.

1535. Urban Schemes—Water Supply and Drainage.—Regarding Urban Water Supply and Drainage Works under "P. Loans and Advances—Loans to Municipalities," an outlay of Rs. 31·44 lakhs has been booked during the year. Eleven works in the Districts of Bangalore, Kolar, Tumkur, Mysore, Mandya, Hassan and Shimoga, were serviced during the year. The other water supply and drainage schemes were in good progress.

1536. Providing underground drainage scheme to Davanagere City at an estimated cost of Rs. 10,23,000 was sanctioned during the year and the outlay incurred up to end of the year was Rs. 1,31,852.

1537. Revised estimate for an amount of Rs. 15,76,310 for improvements of water supply to Shimoga Town was sanctioned during the year and the outlay incurred upto end of the year was Rs. 12,87,485. The civil work was completed.

1538. Revised estimate for an amount of Rs. 11,17,000 for underground drainage scheme to Shimoga Town was sanctioned during the year and the outlay incurred upto end of the year was Rs. 5,56,625.

1539. The gross estimate for Neerasagar Water Supply Scheme for Dharwar and Hubli was Rs. 1,87,26,408 and the work was nearly completed and the supply of filtered water to Hubli and Dharwar Muncipalities, Southern Railway at Hubli and Karnatak University at Dharwar continued during the year.

1540. Water Supply Improvement Works at Bangalore and Mysore—The Executive Engineer, Special Water Supply Division, Bangalore, with its three Sub-Divisions,

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was executing the important two works connected with Chamarajasagara Development Works and Mysore City Water Supply Improvement Works sanctioned for Rs. 69 lakhs and Rs. 48·32 lakhs respectively. An outlay of Rs. 12 00 lakhs and Rs. 2·56 lakhs respectively have been incurred during the year.

1541. Water Supply Maintenance of Bangalore, Mysore and K.G.F.—The Executive Engineer, Water Supply Division, with its regular 4 Sub-Divisions at (1) Thippagondanahalli, (2) Bangalore City, (3) Bethamangala and (4) Mysore, was maintaining the water supply installations. In addition to this, a Special Sub-Division was also under the control of the Executive Engineer and was executing the works of Jayanagar, Rajajinagar, Machalibetta schemes (sanctioned for Rs. 33·5 lakhs), laying duplicate main from Soldevanahalli to C.J.F. and other works connected with improvement works to Bangalore.

1542. Well Boring Section.—During the year, 94 borewells were sunk and 25 borewells were under progress.

1543. Bangalore City Water Supply.—The supply of water to the City area has been increased from 12 million gallons to 14·3 millon gallons per day. Additional supply of water has been given during festival days, marriages and other functions.

1544. The total revenue from this was Rs. 36,39,800.

1545. Rural Water supply Works.—During the year, 7 out of 14 rural water supply schemes, *viz.*, Halebeedu, Besavapatna, Hiresave, Kantharajapura, Bhuvahalli, Halli-Mysore, Nugehalli were completed and handed over to the village panchayats. Six works were completed in 1956-57. The total outlay to end of 1958 March was Rs. 4·27 lakhs against a sanctioned estimate of Rs. 4·52 lakhs.

1546. Central Stores, P. W. D. Bangalore.—The activities of the Stores consist of.

(1) Sinking borewells in the State.

(2) Procurement and distribution of stores and tools and plant articles to various P.W. Divisions according to their need.

1547. The work of the Stores was largely increased during the year and the total transactions of the year were—

Receipts—Rs. 21,41,379·81
Issues—Rs. 19,32,089·31

1548. The value of the Stores on hand at the end of the year was Rs. 11,87,912·51 as against the stock of Rs. 20·00 lakhs sanctioned by Government during 1953.

1549. Vidhana Soudha.—Designs for ceiling for the main dome, ornamental freize works below the ceiling of the main dome, designs for hand railings to the Balcony have been finalised. Designs for grill work shutters for the main entrances in cellar, grant and first floors have also been finalised. Layouts for canteen, marble fountain, etc., were prepared.

1550. The outlay incurred on the construction of Vidhana Soudha Building upto end of March 1958 was Rs. 1 52,36,873.

1551. Cheap designs which would entail least expenditure for schools all over the State have been furnished to the Education Department.

1552. Regarding the Town Planning activities, several layout plans for town extensions and town improvements were prepared and furnished to the Local Bodies. In the erstwhile Mysore, there was no Town Planning Act. In the integrated areas of Bombay, Hyderabad and Madras, there are regular Town Planning Acts in force. A draft Town Planning Act was under preparation for adopting the same as a common Town Planning Act applicable to the entire State.

1553. The revenue realised during the year 1957-58 was Rs. 125·59 lakhs as per details furnished below:

	Rs. in lakhs
XVII I.N.E. and D. Works (Commercial)	58·19
XVIII I.N.E. and D. Works (Non-Commercial)	5·17
XXXIX Civil Works	57·60
XXVII Public Health-Revenue	4·63
Total	125·59

1554. The total charges under the head "Establishment" amounted to Rs. 1,03,69,515 during the year and total outlay incurred during the year under the head "Tools and Plant" was Rs. 36,32,406.

(ii) Major Irrigation Works.

1555. The Major Irrigation Works of the State have been divided into two zones or circles to facilitate proper execution of works and their maintenance to derive the maximum benefits from the projects by harnessing the natural resources of the country to maximum public utility.

1556. The two circles are (1) Major Irrigation (North) and (2) Major Irrigation (South).

Major Irrigation (South), Bangalore.

1557. The important Major Irrigation Projects in the jurisdiction of this Unit Office which were under execution were as follows :—

1. Bhadra Reservoir Project
2. Tunga Anicut Project
3. Nugu Reservoir Project
4. Ambligola Reservoir Project
5. Kabini Reservoir Project
6. Chikkahole Reservoir Project
7. Hebbahalla Reservoir Project
8. Sagare Doddakere Project
9. Lakshmanthirtha Project (Preliminary Works)
10. Mangala Project
11. Sharavathy Valley Hydro-Electric Project —Civil Engineering Works.

1. Bhadra Reservoir Project:—The Bhadra Reservoir Project near Lakkavalli is a multi-purpose project intended to provide irrigation facilities for about 2·34 lakhs of acres of land. The work was commenced in the year 1947. The revised estimate is 24·42 crores. The final grant for the year was Rs. 220 lakhs against which the total outlay incurred during the year was Rs. 221·89 lakhs resulting in an excess of Rs. 1·89 lakhs. The progress of work on main dam, the left and right bank channels were satisfactory during the year.